

Amendment "B"

Please amend claims 1-3, 7-9 and 11-13, as indicated in the following listing of claims.

Claim 1 (currently amended). A transition insert, comprising:

a first member comprising essentially steel;

a second member comprising consisting essentially of Al and between about 1.8 wt.% and 10.0 wt.% Si; and wherein,

the first member and the second member are joined to one another by one of roll bonding or explosion bonding.

Claim 2 (currently amended). The transition insert of claim 1, wherein the second member comprises between about 2.0 wt.% and 5.0 wt.% Si.

Claim 3 (currently amended). The transition insert of claim 1, wherein the second member comprises between about 2.0 wt.% and 3.0 wt.% Si.

Claim 4 (original). The transition insert of claim 1, further comprising:

an interlayer joined to one of the first member or the second member; and
wherein,

the first member and the second member are joined to one another at the interlayer by the roll bonding or the explosion bonding.

Claim 5 (original). The transition insert of claim 4, wherein the interlayer comprises essentially Cr.

1 Claim 6 (original). The transition insert of claim 4, wherein the interlayer is between
2 about 0.01 and 10.0 microns thick.

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4 Claim 7 (currently amended). A transition insert, comprising:
5 a first member comprising essentially steel;
6 a second member comprising consisting essentially of Al and between about
7 1.8 wt.% and 10.0 wt.% Si;
8 an interlayer comprising essentially Cr joined to one of the first member or the
9 second member; and wherein,
10 the first member and the second member are joined to one another at the
11 interlayer by one of roll bonding or explosion bonding.

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13 Claim 8 (currently amended). The transition insert of claim 7, wherein the second
14 member comprises between about 2.0 wt.% and 5.0 wt.% Si.

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16 Claim 9 (currently amended). The transition insert of claim 7, wherein the second
17 member comprises between about 2.0 wt.% and 3.0 wt.% Si.

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19 Claim 10 (original). The transition insert of claim 7, wherein the interlayer is between
20 about 0.01 and 10.0 microns thick.

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22 (Continued on next page.)

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1 Claim 11 (currently amended). A transition insert, comprising:
2 a first member, wherein the first member is a material selected from the group
3 consisting of essentially copper, essentially an iron based alloy, and essentially
4 titanium;
5 a second member comprising-consisting essentially of Al and between about
6 1.8 wt.% to 10.0 wt.% Si; and wherein,
7 the first member and the second member are joined to one another by one of
8 roll bonding or explosion bonding.
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10 Claim 12 (currently amended). The transition insert of claim 11, wherein the
11 second member comprises between about 2.0 wt.% and 5.0 wt.% Si.
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13 Claim 13 (currently amended). The transition insert of claim 11, wherein the
14 second member comprises between about 2.0 wt.% and 3.0 wt.% Si.
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16 Claim 14 (original). The transition insert of claim 11, further comprising:
17 an interlayer joined to one of the first member or the second member; and
18 wherein,
19 the first member and the second member are joined to one another at the
20 interlayer by the roll bonding or the explosion bonding.
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22 Claim 15 (original). The transition insert of claim 14, wherein the interlayer
23 comprises essentially Cr.
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25 Claim 16 (original). The transition insert of claim 14, wherein the interlayer is
between about 0.01 and 10.0 microns thick.

1 Claims 17-25 (cancelled).

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3 (End of claim listing.)

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5 (Continued on next page.)

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Case SP01-P02

Response - Amendment "B"